AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0017] with the following amended paragraph:

[0017] The channels can have equivalent and constant cross-sectional ~~diameters~~ areas within a range of about one square nanometer (nm^2) to about 10,000 nm^2, and more preferably, about 10 nm^2 to about 1000 nm^2. Alternatively, the channels can have equivalent and variable cross-sectional ~~diameters~~areas within a range of about 1 nm^2 to about 10,000 nm^2, and more preferably, about 10 nm^2 to about 1000 nm^2. Thus, in such an embodiment, a first portion of the channel can have a cross-section ~~diameters~~areas of about 10,000 nm^2, for example, while a second portion of the channel can have a cross-sectional ~~diameters~~areas of about 1 nm^2, for example. Benefits of such variable cross-sectional ~~diameters~~areas within the same channel can be realized when resolution of various, different-sized particles is desired. The channels within each substrate should be parallel to each other and should traverse an entire length of the surface in which they are disposed. Preferably, the channels within each substrate are spaced equidistant from each other, though they need not be. Given the cross-sectional ~~diameters~~areas of the channels and the intended use of the apparatus, each of the surfaces in which the channels are disposed preferably contains at least about 1000 channels to about ten million channels.